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NOTICE OF ALLOWANCE AND FEE(S) DUE

31815 7590 07/17/2008 MARY ELIZABETH BUSH QUALLION LLC P.O. BOX 923127 SYLMAR, CA 91392-3127 EXAMINER

WANG, EUGENIA

ART UNIT PAPER NUMBER

1795

DATE MAILED: 07/17/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/666,340	09/17/2003	Hisashi Tsukamoto	Q137-US4	8397

TITLE OF INVENTION: ELECTRIC STORAGE BATTERY CONSTRUCTION AND METHOD OF MANUFACTURE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$720	\$300	\$0	\$1020	10/17/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and I/2 the ISSUE FFE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

appropriate. All further indicated unless corrects maintenance fee notifica	correspondence includir ed below or directed oth	ng the Patent, advance on herwise in Block 1, by (a	rders and notification of n a) specifying a new corres	naintenance fees wi pondence address;	ill be i and/or	nailed to the current (b) indicating a sepa	correspondence address as trate "FEE ADDRESS" for
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MARY ELIZA QUALLION LL P.O. BOX 92312	.C 27		I her State addr trans	eby certify that this	· Feets	Transmittal is being	ideposited with the United it class mail in an envelope above, or being facsimile ate indicated below.
SYLMAR, CA	91392-3127						(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/666,340	09/17/2003	•	Hisashi Tsukamoto			Q137-US4	8397
			CTION AND METHOD (
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nonprovisional	YES	\$720	\$300	\$0		\$1020	10/17/2008
EXAM	IINER	ART UNIT	CLASS-SUBCLASS				
WANG, E	UGENIA	1795	429-094000				
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.853). Change of correspondence address for Change of Correspondence Address form PTO/SB/122) attached. The Address of The Address' indication for "Fee Address' indication form PTO/SB/122 attached. Use of a Custom PTO/SB/12 Kee 0.3-02 or more recent) attached. Use of a Custom Number is required. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON			or agents OR, alternative (2) the name of a single registered attorney or a 2 registered patent attornisted, no name will be	names of up to 3 registered patent attorneys 1. to KO, Allernatively, name of a single firm (having as a member a 2. red attorney or again) and the names of up to terred patent autorneys or against. If no name its 3. on name will be printed.			
PLEASE NOTE: Uni recordation as set fort (A) NAME OF ASSI	less an assignee is ident h in 37 CFR 3.11. Comp GNEE	ified below, no assignee eletion of this form is NO	data will appear on the part a substitute for filing and (B) RESIDENCE: (CITY	atent. If an assigne assignment. and STATE OR CO	DUNT	RY)	ocument has been filed for
4a. The following fee(s) Issue Fee Publication Fee (N	vo small entity discount p		o. Payment of Fee(s): (Plea A check is enclosed. Payment by credit can The Director is hereby overpayment, to Depo	d. Form PTO-2038	is atta	ched.	
	s SMALL ENTITY state	is. See 37 CFR I.27.	b. Applicant is no long				
NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if req records of the United Sta	uired) will not be accepted tes Patent and Trademark	d from anyone other than to Office.	he applicant; a regis	tered a	ttorney or agent; or th	e assignee or other party in
Authorized Signature				Date			
Typed or printed name				Registration No	э		
This collection of inform an application. Confiden submitting the complete this form and/or suggests Box 1450, Alexandria, V Alexandria, Virginia 223	nation is required by 37 C tiality is governed by 35 d application form to the ions for reducing this but 'irginia 22313-1450. DC k13-1450.	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the ONOT SEND FEES OR (on is required to obtain or r 1.14. This collection is est depending upon the indiv e Chief Information Office COMPLETED FORMS TO	etain a benefit by th imated to take 12 m idual case. Any cor r, U.S. Patent and T O'THIS ADDRESS.	e publ inutes nment: l'radem SENI	ic which is to file (and to complete, including s on the amount of tin ark Office, U.S. Depo O TO: Commissioner	by the USPTO to process) g gathering, preparing, and ne you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,

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MARY ELIZABETH BUSH			WANG, EUGENIA		
QUALLION LLC	2		ART UNIT	PAPER NUMBER	
P.O. BOX 923127 SYLMAR, CA 91392-3127			1795 DATE MAILED: 07/17/200	8	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 722 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 722 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.	Applicant(s)		
10/666,340	TSUKAMOTO ET AL.		
Examiner	Art Unit		
FUOENIA WANG	1705		

	LUCLINA WANG	1135	
— The MAILING DATE of this communication appeal all claims being allowable, PROSECUITON ON THE MERITS IS 8. Herewith (or previously mailed), a Notice of Allowance (PTOL-85). NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOT the Office or upon petition by the applicant. See 37 CFR 1.313. □ This communication is responsive to the amendment received. 2. ☑ The allowed claim(s) is/are 29.31-33.71-88.90-104, and 10.	OR REMAINS) CLOSED in this appor other appropriate communication GHTS. This application is subject to and MPEP 1308. Red May 5, 2008.	lication. If not include will be mailed in due	ed course. THIS
3. ☐ Acknowledgment is made of a claim for foreign priority une a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received:	been received. been received in Application No		tion from the
Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the red	quirements
4. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give			OTICE OF
5. CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspersor 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CF1 1.	on's Patent Drawing Review (PTO-S Amendment / Comment or in the O 84(c)) should be written on the drawin	ffice action of	back) of
6. DEPOSIT OF and/or INFORMATION about the depos			Note the

Attachment(s)

- 1. Notice of References Cited (PTO-892)
- 2. Notice of Draftperson's Patent Drawing Review (PTO-948)
- 3. Information Disclosure Statements (PTO/SB/08),
- Paper No./Mail Date 5/5/08 4. Examiner's Comment Regarding Requirement for Deposit
 - of Biological Material
- 5. Notice of Informal Patent Application
- 6. Interview Summary (PTO-413),
- Paper No./Mail Date 7. X Examiner's Amendment/Comment
- 8. X Examiner's Statement of Reasons for Allowance
- 9. Other _____.

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DETAILED ACTION

Response to Amendment

1. In response to the amendment received May 5, 2008:

> Claims 29, 31-33, 71-88, 90-104, and 106-127 are pending. a.

The previous claim objection has been withdrawn in light of the amendment.

The previous prior art rejection of record has been withdrawn in light of the

amendment.

The previous provision double patenting rejections (with respect to US d

Applications 10/484474, 10/665687, 10/666790, and 10/666861), as they are the

only rejections of record. It is noted that the double patenting rejection with

respect to US 6670071 has been withdrawn, as the instant application is a

division of the aforementioned patent, wherein the claims of the instant

application were restricted from that of the parent. Thus double patenting in this

case is not proper.

Continued Examination Under 37 CFR 1.114

2 A request for continued examination under 37 CFR 1.114, including the fee set

forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this

application is eligible for continued examination under 37 CFR 1.114, and the fee set

forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action

has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on May 5,

2008 has been entered

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Information Disclosure Statement

The information disclosure statement filed May 5, 2008 has been placed in the application file and the information referred to therein has been considered as to the merits.

Allowable Subject Matter

4. Claims 29, 31-33, 71-88, 90-104, and 106-127 allowed.

The following is an Examiner's statement of reasons for allowance: none of the prior art of record, alone or in combination, appear to teach, suggest, or render obvious the invention of at least claims 29, 84, 100, 115, and 122.

Claim 29 teach the electrode assembly comprising the elements therein.

Notably, it teaches that the electrode strip in electrical communication with the pin extends through the mandrel slot.

McHenry does not teach the invention of claim 29. As seen in the figure, the mandrel with mandrel slot (metal tube [12] and plastic tube [13]) encompasses the pin (wire [14]). It is clearly seen that the positive electrode strip [17] in contact with the pin (wire [14]) is connected via tab [18] and does not extend through the slot of the mandrel (defined with metal tube [12] and plastic tube [13]). There is no motivation to place the electrode strip into the mandrel slot of McHenry. Doing so would also not allow the electrode strip to be wound in the manner as taught by McHenry, thus destroying the reference as depicted in the figure. Since claims 31-33 and 71-83 are dependent on claim 29, they are allowable for the same reason.

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The reasons for allowability for claims 84, 100, 115, and 122 have been set forth in office action dated February 5, 2008, incorporated herein. Since claims 85-88, 90-99, 101-104, 106-114, 116-121, and 123-127 are dependent on one of the independent claims above, they are allowable for the same reasons.

Examiner's Amendment

5. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

 a. Amend the paragraph beginning at page 2, line 7 of the specification as follows (wherein the change is indicated by the underlined portion):

"This application is a Divisional of U.S. Patent Application No. 10/167,688, filed June 12, 2002, <u>issued as U.S. Patent 6,670,071 on December 30, 2003</u>, which claims the benefit of U.S. Provisional Application No. 60/348,655, filed January 15, 2002, each of which is incorporated herein by reference in its entirety."

Note: Although the attorney of record was not contacted for the amendment listed above, such an amendment is proper, as it only serves to update the status of the parent case listed within the continuation data within the Specification.

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Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to EUGENIA WANG whose telephone number is (571)272-

4942. The examiner can normally be reached on 7 - 4:30 Mon. - Thurs., EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Patrick Ryan can be reached on 571-272-1292. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/E. W./

Examiner, Art Unit 1795

/PATRICK RYAN/

Supervisory Patent Examiner, Art Unit 1795